

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com









Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

#### **General ordering data**

Version	Sensor/actuator line, One end without connector, M12, Number of poles: 4, 6 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes	
Order No.	<u>1925580600</u>	
Туре	SAIL-M12BG-4-6.0V	
GTIN (EAN)	4050118586527	
Qty.	1 pc(s).	



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

# **Technical data**

Net weight	300 g		
Technical specifications for c	able		
Cable length	6 m	Colour coding	brown, white, blue, black
Configurable cable length	No	Core cross-section	0.34 mm <sup>2</sup>
Halogen	Yes	Insulation	PVC
rradiation crosslinked	No	Number of poles	4
Outer cladding in accordance with UL		Outside diameter	·
AWM style	2464 (80 °C / 300 V)		$5.3 \text{ mm} \pm 0.2 \text{ mm}$
Resistant to welding beads	No	Sheath material	PVC
Sheathing colour	black	Shielded	No
Suitable for cable carriers	No	Temperature range, moving	-580 °C
Temperature range, stationary	-3080 °C	Torsion resistance	0 °/m
Welding spark resistance	No		
General technical data			
Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	Housing main material	PUR
nsulation strength	10 <sup>8</sup> Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67, IP68, when screwed	Rated current	
	in, IP65, IP66		4 A
Rated voltage	250 V	Temperature range of housing	-25+85 °C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	Female socket, straight	jumpered	No
Electrical properties			
Insulation strength	10 <sup>8</sup> Ω	Rated voltage	250 V
General standards			
Certificate no. (cULus)	E307231		
Plug, left	2007201		
<u>.</u>			
Plug left	M12, A-coded, IP69, fe- male contact, straight, Plastic, unshielded		
Plug, right			
Plug right	free conductor end		
Classifications			
ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
TIM 10.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11	ECLASS 12.0	27-06-03-11
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
202100 10.0			

Creation date July 15, 2025 10:00:42 PM CEST



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

# **Technical data**

#### **Approvals**

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://
	mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://
	mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

### **Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

#### **Downloads**

Engineering Data	CAD data – STEP
Product Change Notification	DE - Technische Änderung zu M12 Gewindering mit 6-Kant
	EN - Technical change to M12 nut with additional hexagonal mounting
	Technical change to 3 to 5-pole unshielded M12 cord sets
Catalogues	Catalogues in PDF-format



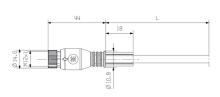
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

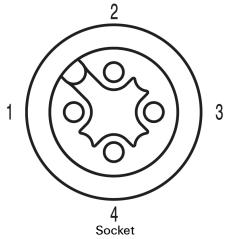
www.weidmueller.com

# **Drawings**

#### **Dimensioned drawing**

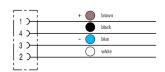


#### Pole scheme



The ideal tool: Screwty ® with torque function

#### Wiring diagram





Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F